

Converting Colors

RGB(180, 35, 213)

Have a look what the booklet for
RGB(180, 35, 213) contains.

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Color

RGB(180, 35, 213)

Conversions

Conversions Part 1

Format	Color
Hex	B423D5
RGB	180, 35, 213
RGB Percent	71%, 14%, 84%
CMY	0.2941, 0.8627, 0.1647
CMYK	0.15, 0.84, 0.00, 0.16
HSL	289°, 72%, 49%
HSV	289°, 84%, 84%
XYZ	31.4337, 15.7095, 64.3263
YIQ	98.6470, 29.2820, 86.0980

Conversions

Conversions Part 2

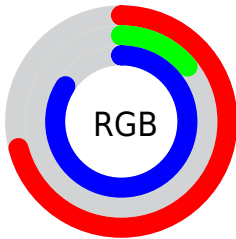
Format	Color
R_{YB}	180, 35, 213
Decimal	11805653
CIE _{Lab}	46.59, 75.98, -59.90
CIE _{LCh}	47, 96.756, 321.749
Yxy	15.7095, 0.2820, 0.1409
Android (android.graphics.Color)	4289995733 (0xFFB423D5)
YUV	98.6470, 56.3760, 71.3466
Hunter-Lab	39.6352, 72.2024, -68.4807

Details

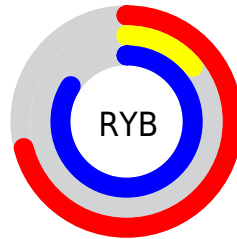
The RGB color **180, 35, 213** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle washed purple. A complement of this color would be **68, 213, 35**, and the grayscale version is **98, 98, 98**.

A 20% lighter version of the original color is **240, 101, 255**, and **122, 0, 157** is the 20% darker color. If you saturate the color by 10%, you get **176, 14, 213**, and if you desaturate by 10%, it is **184, 56, 213**.

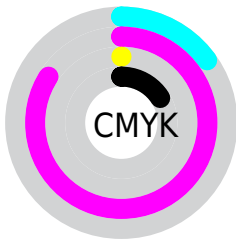
Distribution



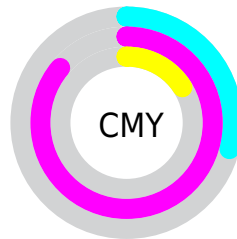
- Red (71%)
- Green (14%)
- Blue (84%)



- Red (71%)
- Yellow (14%)
- Blue (84%)



- Cyan (15%)
- Magenta (84%)
- Yellow (0%)
- Black (16%)



- Cyan (29%)
- Magenta (86%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the RGB color 180, 35, 213 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RGB color 180, 35, 213 by changing the saturation by 10% instead.



180, 35, 213



180, 35, 213

255, 255, 255



151, 0, 185



240, 101, 255



122, 0, 157



255, 130, 255



93, 0, 130



255, 159, 255



64, 0, 104



255, 188, 255



36, 0, 79



255, 218, 255



0, 0, 55



255, 248, 255



0, 2, 33



0, 0, 6



0, 0, 0

■ 180, 35, 213

■ 180, 35, 213

■ 176, 14, 213

■ 184, 56, 213

■ 174, 0, 213

■ 188, 78, 213

■ 192, 99, 213

■ 196, 120, 213

■ 200, 142, 213

■ 204, 163, 213

■ 208, 184, 213

■ 212, 205, 213

■ 216, 227, 213

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



0, 100, 255



180, 35, 213



236, 0, 137

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



180, 35, 213



154, 100, 0



0, 142, 169

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



180, 35, 213



68, 213, 35

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



0, 140, 85



180, 35, 213



77, 124, 0

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



180, 35, 213



209, 49, 0



0, 135, 0



0, 140, 239

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



180, 35, 213



244, 0, 83



0, 135, 0



0, 141, 142

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



180, 35, 213



243, 191, 255



35, 71, 213



120, 89, 128



0, 0, 0



128, 128, 128

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



180, 35, 213



208, 0, 255



213, 35, 160



105, 96, 107



139, 0, 171



35, 0, 43

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



213, 35, 68



255, 0, 47



35, 213, 88



107, 96, 98



171, 0, 32



43, 0, 8

Previews

White Background



This preview shows how the RGB color 180, 35, 213 looks on a white background.

Color Contrast Check

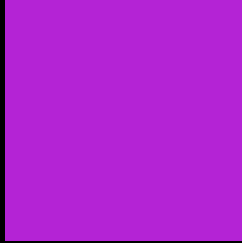
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RGB color 180, 35, 213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

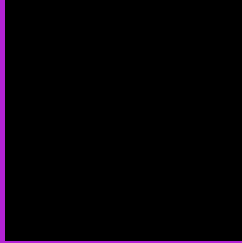
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RGB 180, 35, 213 Background



This preview shows how black text looks on a background with the RGB color 180, 35, 213.



This preview shows how white text looks on a background with the RGB color 180, 35, 213.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color
180, 35, 213

Protanopia
0, 107, 227

Deuteranopia
0, 113, 200



Tritanopia

164, 88, 94

Trichromacy



Original Color

180, 35, 213



Protanomaly

65, 81, 222



Deuteranomaly

65, 85, 205



Tritanomaly

170, 69, 137

Monochromacy



Original Color

180, 35, 213



Achromatopsia

99, 99, 99



Achromatomaly

128, 76, 140

CSS Examples

Text

The CSS property to change the color of the text to RGB 180, 35, 213 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(180, 35, 213)` looks like.

```
.text, #text, p{  
    color:rgb(180, 35, 213)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(180, 35, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 35, 213) }
```

Border

The CSS property to change the border of an element to RGB 180, 35, 213 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(180, 35, 213) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(180, 35, 213) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(180, 35, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 35, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 35, 213);  
box-shadow:4px 4px 4px 4px rgb(180, 35,  
213) }
```

Background

The CSS property to change the background color of an element to RGB 180, 35, 213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 35, 213) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(180, 35,  
213) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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